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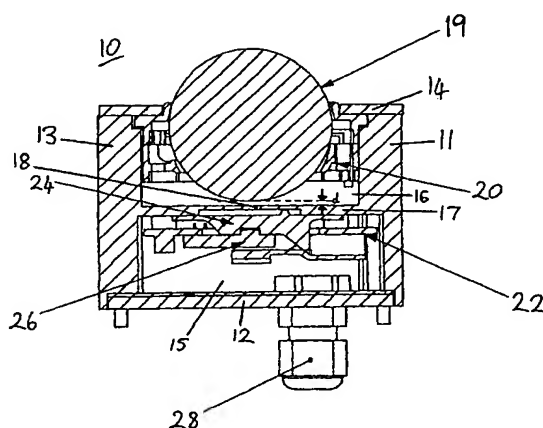
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(54) Title: IMPROVED POINTING DEVICE



(57) Abstract: An electronic pointing or cursor control device comprising a first chamber and a second chamber, wherein: the two chambers are adjoined and separated by a fluid-tight separating wall; the first chamber contains electronic components; the second chamber comprises an aperture; the second chamber contains a ball, the ball protruding through said aperture; the said separating wall comprises an optically permeable region; and the electronic components include optical detection means directed towards the optically permeable region and the ball, the detection means being operable in use to detect motion of the ball and to generate electronic signals representative of said motion. The device may be a trackball or a mouse. Also provided is an electronic pointing or cursor control device comprising a ball and optical detection means responsive to movement of the ball, the optical detection means being operable in use to detect motion of the ball and to generate electronic signals representative of said motion, wherein the detection means are mounted at an angular position around the circumference of the ball such that a radial line from the ball to the detection means forms a non-zero angle with a diametric line through the ball normal to the mounting plane of the device.

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